

In the Abstract

Kindly replace the originally-filed Abstract with the following new abstract presented on a separate page:

ABSTRACT

A DC-DC converter includes a switch (S1) which periodically connects an inductor (L) to a DC-input voltage (V_i) during an on-period (T_{on}) of a period time (T_p). The operating frequency (f_o) of the DC-DC converter is the inverse of the period time (T_p). An output (O1) of the DC-DC converter is coupled to the inductor (L) to supply an output voltage (V_o). A controller (CO) controls the operating frequency (f_o) of the DC-DC converter to be substantially proportional to the output voltage (V_o) to obtain a substantially constant average duration of the on-period (T_{on}) as function of the output voltage (V_o).